Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/05/2018 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126137	0	1.30	126012	1.28
Blue	F	SSC	125000	123760	-1	3.37	124027	3.19
Blue	E	FITC	23615	22995	-3	2.47	1030	10.48
Blue	D	PE	26739	26473	-1	2.02	951	10.22
Blue	B	PerCP-Cy5-5	48339	47677	-2	3.49	1371	17.05
Blue	A	PE-Cy7	45021	44196	-2	5.28	694	35.37
Red	C	APC	53064	52399	-2	2.77	2988	9.43
Red	A	APC-Cy7	57175	56569	-2	2.87	1209	11.02
Violet	B	V450	14728	14186	-4	4.74	677	9.69
Violet	A	V500	58621	56751	-4	4.63	2516	6.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19305	2.11	611	-3	N/A	N/A	Pass
Blue	F	SSC	61311	1.43	555	9	N/A	N/A	Pass
Blue	E	FITC	112	40.12	547	-1	0.0196	144	Pass
Blue	D	PE	208	29.27	538	2	0.1397	191	Pass
Blue	B	PerCP-Cy5-5	213	45.12	636	1	0.0099	81	Pass
Blue	A	PE-Cy7	75	119.65	694	1	0.0118	17	Pass
Red	C	APC	343	28.36	597	0	0.0208	102	Pass
Red	A	APC-Cy7	133	39.62	580	0	0.0057	1793	Pass
Violet	B	V450	82	43.04	466	-4	0.0403	1671	Pass
Violet	A	V500	182	23.75	493	-4	0.0157	842	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.51	-31.97	0.89
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.92	14.40 - 21.60	N/A	N/A	31.57	32.08	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11577

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments